



PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: R. John Collier et al.      Art Unit: 7132  
Serial No.: 09/848,909      Examiner: Virginia Allen Portner  
Filed: May 4, 2001      Customer No.: 21559  
Title: COMPOUNDS AND METHODS FOR THE TREATMENT AND PREVENTION OF BACTERIAL INFECTION

Assistant Commissioner For Patents  
Washington, D.C. 20231

*Amdt 13/B*  
*Linda*  
*9/30/02*  
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REPLY TO REQUIREMENT FOR RESTRICTION

In reply to the Examiner's Action mailed July 16, 2002, applicants submit the following amendments and remarks.

Kindly amend the application as follows.

In the claims:

Replace claims 1, 4, 12, and 19 with the following amended claims that have been re-written in clean form.

*B<sup>1</sup> Sub C<sup>1</sup>*

1. (Amended) A B moiety of a pore-forming binary A-B toxin, wherein said B moiety comprises a mutation that inhibits its pore-forming ability, wherein said mutation is not the deletion of amino acids 302-325 of anthrax protective antigen (SEQ ID NO. 12).

*B<sup>2</sup>*

*Sub C<sup>1</sup>*

4. (Amended) The B moiety of claim 1, having an amino acid sequence that is at least 80% identical to SEQ ID No.: 21 and that has an alteration selected from the group consisting of:

a) K397A;

b) K397D;

c) K397E;

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